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ATTORNEY'S DOCKET NO.: PA1744US

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled "**Area and Span Based Z-Buffer**," the specification of which (check one):

☐ is attached hereto.

☒ was filed on March 30, 2001
as U.S. Application No. 09/823,163
or PCT International Application No. _____
and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International application, having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Konstantine I. Iourcha

Inventor's signature  Dated: 7/23/01

Residence San Jose, California Citizenship Russia

Post Office Address 310 Elan Village Lane, #204, San Jose, CA 95134

Full name of second joint inventor, if any: Roger Swanson

Second Inventor's signature _____ Dated: _____

Residence Morgan Hill, California Citizenship U.S.

Post Office Address 15390 Armsby Lane, Morgan Hill, CA 95037

Full name of third joint inventor, if any: Axel Schildan

Third Inventor's signature _____ Dated: _____

Residence San Jose, California Citizenship Germany

Post Office Address 2404 Renfield Way, San Jose, CA 95148



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I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

60/193,736
(Application Number)

March 30, 2000
(Filing Date)

(Application Number)

(Filing Date)

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Number)

(Filing Date)

(Status -- patented, pending, abandoned)

(Application Number)

(Filing Date)

(Status -- patented, pending, abandoned)

POWER OF ATTORNEY: I hereby appoint the attorney(s) and/or agent(s) associated with the customer number **22830** to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

SEND ALL CORRESPONDENCE TO:

Susan Yee
CARR & FERRELL
2225 East Bayshore Road, Suite 200
Palo Alto, CA 94303
TEL: (650) 812-3400
FAX: (650) 812-3444

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Full name of first inventor: Konstantine I. Iourcha

Inventor's signature _____ Dated: _____

Residence San Jose, California Citizenship Russia

Post Office Address 310 Elan Village Lane, #204, San Jose, CA 95134

Full name of second joint inventor, if any: Roger Swanson

Second Inventor's signature  Dated: 7-20-01

Residence Morgan Hill, California Citizenship U.S.

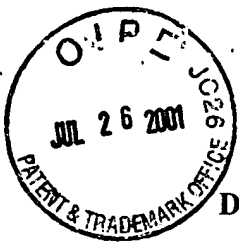
Post Office Address 15390 Armsby Lane, Morgan Hill, CA 95037

Full name of third joint inventor, if any: Axel Schildan

Third Inventor's signature _____ Dated: _____

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Inventor's signature _____ Dated: _____

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Post Office Address 310 Elan Village Lane, #204, San Jose, CA 95134

Full name of second joint inventor, if any: Roger Swanson

Second Inventor's signature _____ Dated: _____

Residence Santa Clara, California Citizenship U.S.

Post Office Address 3356 Solano Ct., Santa Clara, CA 95051

Full name of third joint inventor, if any: Axel Schildan

Third Inventor's signature Ax Schildan Dated: 05/16/2001

Residence Sunnyvale, California Citizenship Germany

Post Office Address ~~426 Pin Oak Dr., Sunnyvale, CA 94086~~

Residence: SAN JOSE, CALIFORNIA

Post Office Address: 2404 RENFIELD WAY, CA 95148 *AS*

PA1744US

PATENT



For: ☒ U.S. and/or ☒ Foreign Rights
For: ☒ U.S. Application or
[] U.S. Provisional Application
For: [] U.S. Patent
For: [] PCT Application
By: ☒ Inventor(s) or [] Present Owner

ASSIGNMENT OF INVENTION

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged,

ASSIGNORS:

Konstantine I. Iourcha
FIRST NAMED INVENTOR

310 Elan Village Lane, #204
Address

San Jose, CA 95134

Roger Swanson
SECOND NAMED INVENTOR

15390 Armsby Lane
Address

Morgan Hill, CA 95037

Axel Schildan
THIRD NAMED INVENTOR

2404 Renfield Way
Address

San Jose, CA 95148

hereby sell, assign and transfer to

ASSIGNEE: S3 Graphics Co., Ltd.
ASSIGNEE

Charles Adams, Ritchie & Duckworth, Zephyr House
Address

Mary Street, P.O. BOX 709,

Grand Cayman, British West Indies

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

☒ the entire right, title and interest
☐ an undivided _____ percent (_____ %) interest
for the United States and its territorial possessions

☒ and in all foreign countries, including all rights to claim priority,
in and to any and all improvements which are disclosed in the invention entitled:
Area and Span Based Z-Buffer

Name of inventor(s) Konstantine I. Iourcha, Roger Swanson, and Axel Schildan

and which is found in (37 C.F.R. § 3.21)

- (a) ☐ U.S. patent application executed on even date herewith
(b) ☐ U.S. patent application executed on _____
(c) ☐ U.S. provisional application naming the above inventor(s) for the above-entitled invention.

☐ Express mail label no.: _____
Mailed: _____

(d) ☒ U.S. Application No. 09/823,163
filed on March 30, 2001

(e) ☐ International application no. PCT/ _____ / _____

(f) ☐ U.S. patent no. _____ issued _____

☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(g) ☐ and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

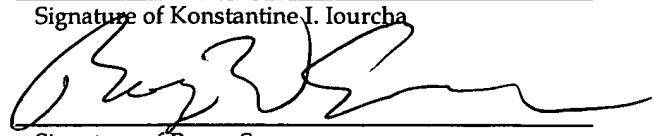
ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: _____

Date: 7-20-01

Date: _____

Signature of Konstantine J. Iourcha



Signature of Roger Swanson

Signature of Axel Schildan

PA1744US

PATENT



For: ☒ U.S. and/or ☒ Foreign Rights
For: ☒ U.S. Application or
[] U.S. Provisional Application
For: [] U.S. Patent
For: [] PCT Application
By: ☒ Inventor(s) or [] Present Owner

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ASSIGNEE

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Date: _____

Signature of Konstantine I. Iourcha

Date: _____

Signature of Roger Swanson

Date: 05/16/2001

A. Schildan
Signature of Axel Schildan